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SEND TO: United States Patent Office

    Examiner: C. L. Nguyen

    Group Art Unit: 2171

    Tel No: _____

    Fax #:   1-573-273-8300

FROM: J. B. KRAFT

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Docket No. AUS920010596US1   Serial No. 10/042,107   Atty: J. B. KRAFT
Applicant: _____M. O. McPhail_____

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_____09-0447_____

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10/042,107

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: :   Group Art Unit: 2171
                                 :   Examiner C. L. Nguyen
Margaret G. MacPhail   :   Intellectual Property
Serial No: 10/042,107   :   Law Department - 4054
Filed: 01/08/2002   :   International Business
Title: A NETWORK DATABASE   :   Machines Corporation
SYSTEM FOR PROVIDING DATABASE :   11400 Burnet Road
OUTPUT IN A PLURALITY OF   :   Austin, Texas 78758
STRINGS OF SEQUENTIAL DATA   :   Customer No. 32,329
SEGMENTS THROUGH A USER   :
INTERFACE WITH DIMENSIONS   :
LIMITING THE DATA CAPACITY OF :
EACH SEGMENT
Date: _____09/12/06_____   :

<u>CERTIFICATE OF FACSIMILE TRANSMISSION</u>

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present Reply Brief (in triplicate) is being transmitted via
facsimile to USPTO, Group Art Unit 2161 at telephone number
571-273-8300, and to the attention of Examiner C. M. Nyugen
on _____09/12/06_____

_____J.R. KRAFT_____

_____   9/12/06
Signature   Date

<u>REPLY BRIEF ON APPEAL</u>
<u>BEFORE THE BOARD OF APPEALS</u>
<u>AND INTERFERENCES</u>

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

AUS920010596US1   1

PATENT
10/042,107

This is a Reply Brief to the Examiner's Answer mailed July 19, 2006. Applicants will address a new argument made by Examiner in the Answer.

In summary of the remaining issues of this Appeal, the present invention addresses the problem of optimizing data stored in a database so that it may be easily and conveniently used for the limited size i.e. small display devices. Simply stated, the present <u>invention</u> addresses this problem by providing a database wherein different types of <u>data intended to be presented on small devices are stored in the database in the form of strings of sequential data segments, each segment having a content which fits the device display size.</u> When strings of segments of a data type are selected by a user at a display station, the strings of segments are provided by the database, and the segments in the string are sequentially displayed where they each fit the dimensions of the limited display.

With respect to a rejection of claims 1-3, 8-11, 13-15, 20-23, 25-27, and 32-35 as being unpatentable over Shin et al. (US6,674,439), under 35 U.S.C. 103(a), Applicants have argued that Shin does not suggest a database storing <u>a plurality of strings of sequential data segments, each string having a plurality of segments. Each segment of each of said plurality of strings of each of said different types of data has a content which fits the device display size.</u>

For the database in Shin, Examiner cites the system in Fig. 4. It should be noted that at column 11, lines 45-50, of Shin, the structure of Fig. 4 is described as corresponding to the data structures of cellular telephones 10 and 11. In addition, at column 2, lines 1-7, Shin recognizes that the storage capacity of such cellular telephones is severely limited. Thus, the storage capacity of the cellular telephone structure shown in Fig. 4 would be

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severely limited. The database required by the present
invention which must store multiple strings of sequential
data segments for each of a plurality of types of data, with
each of the multiple string having a plurality of segments.
Each segment of each of said plurality of strings of each of
said different types of data has a content which fits the
device display size. This is a great number of strings of
data which must stored in a database of very limited storage
capacity of the cellular telephone apparatus shown in Fig. 4
of Shin.

For the suggestion of the means for storing of a
plurality of strings of display interface limited segments,
the Examiner points to element 408, Fig. 4 in Shin. The
Internet images in Shin in Accumulation Image Storage Unit
408 have to be dynamically processed before any images are
output. There is not outputting of the claimed already
stored string of image segments at the user interface. The
Image Selecting Unit 409 first has to select one of the
images in Storage Unit 408. The Oversize Decision Unit 410
then has to compare the size of the selected image to an
already stored size in Size Storage Unit 404 desired for the
selected display unit. Finally, the image is resized if
necessary to the desired limited screen size, e.g. one
segment. This <u>dynamic process in Shin of outputting of a
sequence of dynamically produced segments on a one by one
basis does not suggest outputting an already stored string
of segments already limited by the size of the computer
display</u> as defined in the present claims.

With respect to the above argument by Applicants in
their Brief, Examiner argues (first paragraph, page 8,
Answer) that even if Shin does disclose that his strings of
data are generated in response to user requests, it would be
obvious that after a multiple number of such requests, Shin

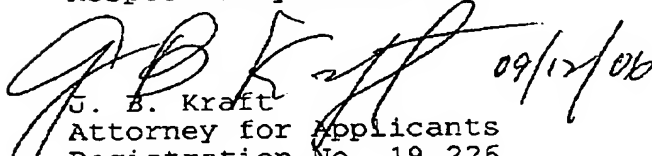AUS920010596US1   3

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10/042,107

would eventually store the data in strings in order "to reduce time processing and speed up the process..". Applicants submit that there is nothing in Shin to suggest such a substantial change.   Actually, in view of the severely limited storage capacity of the cellular telephone apparatus shown in Fig. 4 of Shin, one skilled in the art would certainly be led away from the present invention which requires the storage of multiple strings of data segments.

In view of the foregoing and Applicants' arguments made in the Brief on Appeal, it is submitted that Claims 1-3, 8-11, 13-15, 20-23, 25-27, and 32-35 are unobvious over Shin et al. (US6,674,439), and that claims 4-7, 12, 16-19, 24, 28-31, and 36 are unobvious over Shin in view of Guck (US5,864,870), and thus are patentable under 35 USC 103(a).

Therefore, it is respectfully requested that the Final Rejection of claims 1-36 dated December 12, 2005 be reversed, and that claims 1-36 be found to be in condition for allowance.

Respectfully submitted,

09/17/06

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Attorney for Applicants
Registration No. 19,225
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IBM Corporation
11400 Burnet Road
Austin, Texas 78758

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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                                   : Examiner C. L. Nguyen
Margaret G. MacPhail   : Intellectual Property
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_____J.R. KRAFT_____

Signature _____   Date 9/12/06

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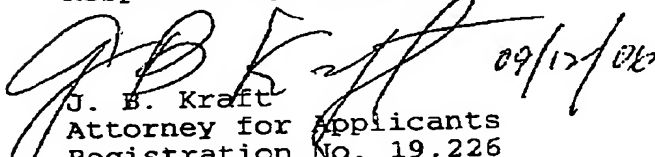
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Margaret G. MacPhail   :   Law Department - 4054
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Filed: 01/08/2002   :   Machines Corporation
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SYSTEM FOR PROVIDING DATABASE :   Austin, Texas 78758
OUTPUT IN A PLURALITY OF   :   Customer No. 32,329
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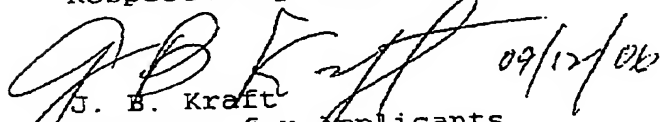
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